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Sommario/riassunto	This open access book presents select contributions from the 8th International Conference on Advances in Construction Machinery and Vehicle Engineering (ICACMVE 2023), focusing on the recent advances and best practices of Construction Machinery and Vehicle Engineering, related technologies and sciences to meet the challenges in mechanical design, mechanical control and smart manufacturing. The contents focus on design engineering, automation in engineering, construction machinery, intelligence applications, new energy and others. Some of the topics discussed here include advanced manufacturing technologies, industrial engineering and automation, design of mechanical systems, control engineering, automobile engineering, performance analysis of energy systems, thermal modelling and

simulations of different systems, optimization and intelligence. The wide range of topics presented in this book will be useful for beginners, researchers, and mechanical engineering professionals.
